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PTO/SB/05 (4/98)
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UTILITY PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No. First Inventor or Application Identifier H. John Caulfield A METHOD AND SYSTEM FOR IMPROVING...

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Express Mail Label No. EL377526927US

See	MPEP (APPLICATION ELEMENTS chapter 600 concerning utility patent application contents.	ASSISTANT Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC, 20231			
1. [2. [4.	X S X S X S COATH O A B B COTE FOL If a C	Pee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Specification [Total Pages 36] Preferred arrangement set forth below) Descriptive title of the Invention Cross References to Related Applications Statement Regarding Fed sponsored R & D Reference to Microfiche Appendix Background of the Invention Brief Summary of the Invention Brief Description of the Drawings (if filed) Detailed Description Claim(s) Abstract of the Disclosure Drawing(s) (35 U.S.C. 113) [Total Sheets 14] In Declaration [Total Pages 2] X Newly executed (original or copy) Copy from a prior application (37 C.F.R. § 1.63 (for continuation/divisional with Box 16 completed) i. DELETION OF INVENTOR(s) Signed statement attached deleting inventor(s) named in the prior application see 37 C.F.R. § 1.63 (d)(2) and 1.33(b). BRITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTIT MALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT LED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.27), EXCEPT LED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.27), EXCEPT LED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).	5. Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identity of above copies ACCOMPANYING APPLICATION PARTS 7. X Assignment Papers (cover sheet & document(s)) 8. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) Attorney 9. English Translation Document (if applicable) 10. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations 11. Preliminary Amendment 12. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) * Small Entity Statement filed in prior application, Status still proper and desired (if foreign priority is claimed) 15. X Other: Post. Card.			
und	ler Box	4b, is considered a part of the disclosure of the accompar	of the prior application, from which an oath or declaration is supplied hying continuation or divisional application and is hereby incorporated by has been inadvertently omitted from the submitted application parts.			
		17. CORRESPOND	ENCE ADDRESS			
	Custo	omer Number or Bar Code Label (Insert Customer No. or At	or Correspondence address below			
Nar	ne	Jerry Cohen Perkins Smith & Cohen III	D			
Add	Iress	Perkins, Smith & Cohen, LLP One Beacon Street 30th Floor				
City	,	Boston State	MA Zip Code 02108			
Cou	intry	USA Telephone	617-854-4000 Fax 617-854-4040			
	Name Signat	(PrintType) Jacob N. Erlich, Esq.	Registration No. (Attorney/Agent) 24,338 Date 8-7-2000			

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

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FEE TRANSMITTAL	Complete if Known				
	Application Number	N/A			
for FY 2000	Filing Date	Herewith			
Patent fees are subject to annual revision.	First Named Inventor	H. John Caulfield			
Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12.	Examiner Name	N/A			
See 37 C.F.R. §§ 1.27 and 1.28.	Group / Art Unit	N/A			
TOTAL AMOUNT OF PAYMENT (\$) 424.00	Attorney Docket No.	10050-102			

METHOD OF PAYMENT (check one)				F	FEE CALCULATION (continued)	
1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:		DDIT	y Sma	II Enti	ty	
Deposit Account 03-2410 Order No.: 10050-	Fee	Fee de (\$)	Fee Code	Fee	Fee Description	Fee Paid
Account Number 03-2410 Order No.: 18050-	105	130	205	65	Surcharge - late filing fee or oath	
Account Perkins, Smith & Cohen	127	50	227	25	Surcharge - late provisional filing fee or cover sheet.	
Name CIRITS, Builtin d Conten	139	130	139	130	Non-English specification	
Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17	147	2,520	147	2,520	For filing a request for reexamination	
	112	920*	112	920	 Requesting publication of SIR prior to Examiner action 	
2. Payment Enclosed: Check Money Other	113	1,840	113	1,84	g* Requesting publication of SIR after Examiner action	
FEE CALCULATION	115	110	215	55	Extension for reply within first month	
	116	380	216	190	Extension for reply within second month	
1. BASIC FILING FEE Large Entity Small Entity	117	870	217	435	Extension for reply within third month	
Fee Fee Fee Fee Description	118	1,360	218	680	Extension for reply within fourth month	
404 600 204 245 Hillib: Elling for	128	1,850	228	925	Extension for reply within fifth month	
106 310 206 155 Design filing fee	119	300	219	150	Notice of Appeal	
107 480 207 240 Plant filing fee	120	300	220	150	Filing a brief in support of an appeal	
108 690 208 345 Reissue filing fee	121	260	221	130	Request for oral hearing	
114 150 214 75 Provisional filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding	
	140	110	240	55	Petition to revive - unavoidable	
SUBTOTAL (1) (\$) 345.00	141	1,210	241	605	Petition to revive - unintentional	
2. EXTRA CLAIM FEES	142	1,210	242	605	Utility issue fee (or reissue)	
Fee from Ext <u>ra Claims below Fee Paid</u>	143	430	243	215	Design issue fee	
Fotal Claims 17 -20** = X = 0	144	580	244	290	Plant issue fee	
ndependent 4 - 3** = 1 × 39 = 39 Nultiple Dependent	122 123		122 123	130 50	Petitions to the Commissioner	
roumber previously paid, if greater, For Reissues, see below	126			240	Petitions related to provisional applications	
Large Entity Small Entity					Submission of Information Disclosure Stmt	
Fee Fee Fee Fee Description Code (\$) Code (\$)	581		581	40	Recording each patent assignment per property (times number of properties)	40.00
103 18 203 9 Claims in excess of 20	146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	
102 78 202 39 Independent claims in excess of 3	149	690	249	345	For each additional invention to be	
104 260 204 130 Multiple dependent claim, if not paid					examined (37 CFR § 1.129(b))	
109 78 209 39 ** Reissue independent claims over original patent	Other	fee (sp	ecify)			
110 18 210 9 ** Reissue claims in excess of 20 and over original patent	Other	fee (sp	ecify)			
SUBTOTAL (2) (\$) 39.00	*Redu	uced by	Basic	Filing	Fee Paid SUBTOTAL (3) (\$)	40.00
SUBMITTED BY Complete (if applicable)						
Name (PrintlType) Jacob N. Erlich, Esq		Regist (Attorne			24,338 Telephone 617-854	-4000

WARNING:

Signature

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Date

8-7.2000

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EXPRESS MAIL LABEL NO. EL377526927US

FILING DATE: 08/07/2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION FOR LETTERS PATENT (UTILITY PATENT)

APPLICANT:

H. John Caulfield

POST OFFICE ADDRESS: c/o Northeast Photosciences, Inc.

18 Flagg Road Hollis, NH 03049

INVENTION TITLE: A METHOD AND SYSTEM FOR IMPROVING PATTERN

RECOGNITION SYSTEM PERFORMANCE

ASSIGNEE:

ATTORNEYS:

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* Mr. Kaye is available at 301-948-5535

Honorable Assistant Commissioner of Patents TO:

Washington, D.C. 20231

Sir:

Your applicant(s), named above hereby petition(s for) grant of a utility patent to him(them) or any assignee(s) of record, at the time of issuance, for an invention more particularly described in the following specification and claims, with the accompanying drawings, verified by the accompanying Declaration and entitled: